

CLAIMS

1. A distributed coupler comprising:
a first conductive line (11, 111) carrying a main signal between two end terminals (IN, DIR);
5 a second conductive line (12, 121) coupled to the first one and between two terminals (CPLD, ISO) of which flows a sampled signal, proportional to the main signal, two capacitors (Cs) respectively connecting the two terminals of each of the lines.
2. The coupler of claim 1, wherein the lines (11, 12; 111, 112, 121, 122) have
10 a same length.
3. The coupler of claim 1, wherein the capacitors (Cs) have same values.
4. The coupler of claim 1, wherein the lines (11, 12; 111, 112, 121, 122) are
15 sized in $\lambda/4$ for a central band frequency greater than the frequency band for which the coupler is intended.
5. The coupler of claim 1, wherein each conductive line comprises at least two parallel sections (111, 112; 121, 122) between its end terminals (IN, DIR; CPLD, ISO),
20 the sections of the two lines being interleaved.
6. The coupler of claim 5, wherein the capacitor electrodes are formed in same two metallization levels as those in which are formed the conductive lines.
- 25 7. The coupler of claim 1, wherein the capacitors (Cs) have values ranging between 0.1 and 10 pF, the central frequency of the coupler ranging between a few tens of MHz and a few tens of GHz.